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Rectangular Power Connector Type: **Header**

Connector & Housing Type: **Plug**

Connector System: **Wire-to-Board**

Number of Positions: **2**

Centerline (Pitch): **7.8 mm [.307 in]**

Features

Product Type Features

Rectangular Power Connector Type	Header
Connector & Housing Type	Plug
Connector System	Wire-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Positions	2
PCB Mount Orientation	Vertical
Number of Power Positions	2
Number of Signal Positions	0
Number of Rows	1

Electrical Characteristics

Operating Voltage	500 VDC
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Contact Features



Contact Layout	Staggered
Contact Base Material	Copper Alloy
Contact Current Rating (Max)	35 A, 40 A
Contact Retention Within Housing	With
Contact Type	Pin
PCB Contact Termination Area Plating Material	Silver
Contact Mating Area Plating Material	Silver
Contact Mating Area Plating Material Thickness	.076 μm[3 μin]

Termination Features

Termination Method to Printed Circuit Board	Through Hole - Solder
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Mechanical Attachment

Mating Alignment Type	Polarization
Mating Alignment	With
PCB Mount Alignment	Without
PCB Mount Retention	Without
Connector Mounting Type	Board Mount
Mating Retention	Without

Housing Features

Centerline (Pitch)	7.8 mm[.307 in]
Housing Color	Black
Housing Material	LCP GF30 (Liquid Crystal Polymer)

Dimensions

Row-to-Row Spacing	7.8 mm[.307 in]
Height	15.2 mm
Length	18.9 mm

Usage Conditions

Operating Temperature Range	-40 – 125 °C, -40 – 125 °C[-40 – 257 °F][-40 – 257 °F]
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Operation/Application

Assembly Process Feature	Pick and Place Cover
Circuit Application	Power

Industry Standards



UL Flammability Rating	UL 94V-0
Glow Wire Rating	Standard Part - Not Glow Wire

Packaging Features

Packaging Method	Reel
Packaging Quantity	150

Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUL 2021 (219) Candidate List Declared Against: JAN 2021 (211) SVHC > Threshold: Not Yet Reviewed
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Wave solder capable to 265°C

Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

Compatible Parts



TE Part # 1982299-4
ELCON MINI 2P CABLE CONN,W/O CODING

TE Part # 1982299-1
ELCON MINI 2P CABLE CONN,WITH CODING(R)

Also in the Series | ELCON Mini

Insertion & Extraction Tools(1)

Power Cable Assemblies(6)

Rectangular Power Connectors(32)

Customers Also Bought

TE Part #1-2199119-5
M.2 0.5PITCH 3.2H KEY M 15U" AU

TE Part #1393776-3
V23026D1021B201 *X020

TE Part #1645498-2
UNV,PWR,MDL.4 POS. VERT.HDR, 15MM STACK

TE Part #1676182-3
RN 0805 13K7 0.1% 10PPM 5KRL

TE Part #1676264-3
RN 0805 249R 0.1% 10PPM 5KRL

TE Part #1676475-2
RN 0805 9K76 0.1% 10PPM 1KRL

TE Part #1625868-7
RP 2A 0.25W 215K 0.1% 25PPM 1K RL

TE Part #927837-4
SPT REC 6.3 Contact SRC Ag

TE Part #1879061-7
CPF 0402 15R 0.1% 25PPM 5K RL

TE Part #1676666-3
RN 0805 20R 0.1% 10PPM 5K RL



Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2042274-2_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2042274-2_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2042274-2_B.3d_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

POWER_CONNECTORS_CATALOG_SEC02_CABLE_MOUNTED

English

ELCON Mini Power Interconnects QRG (English)

English

Product Specifications

Application Specification

English